Name:

Date:

Day 4_ Multiplying Integers

Write the Rules for Multiplying Integers

_____ x _____ = _____

_____ x _____ = _____

_____ x _____ = _____

_____ x _____ = _____

Multiply.

1. $4 \bullet (-3)$ **2.** $-6 \bullet 5$ **3.** $-8(-2)$ **4.** $9 \bullet 6$

Answer:____ Answer:____ Answer:____ Answer:____

5. $0 \bullet (-7)$ **6.** $-12(-3)$ **7.** $11 \bullet 7$ **8.** $5(-5)$

Answer:____ Answer:____ Answer:____ Answer:____

9. $-13 \bullet 7$ **10.** $-1 \bullet 9$ **11.** $2(-12)$ **12.** $-9 \bullet (-9)$

Answer:____ Answer:____ Answer:____ Answer:____

13. A water tank leaks 5 gallons of water each day. What integer represents the change in the number of gallons of water in the tank after 7 days?

Answer:

Multiply.

14. $2 \bullet (-3) \bullet 5$

Answer:

15. $-5(-4)(-1)$

Answer:

16. $7 \bullet 2 \bullet (-3)$

Answer:

17. $0 \bullet (-8) \bullet 6$

Answer:

18. $-6 \bullet 4 \bullet (-2)$

Answer:

19. $5(-4)(-5)$

Answer:

Evaluate the expression.

20. $(-3)^2$

Answer:

21. -3^2

Answer:

22. $(-2)^3$

Answer:

23. -5^2

Answer:

24. $-3 \bullet (-4)^2$

Answer:

25. $(-7)^2 \bullet 2$

Answer:

26. $|-3| \bullet (-6)$

Answer:

27. $-5(-2) - 3(-4)$

Answer:

28. $2 \bullet (-3)^2 - 5^2$

Answer:

Find the next two numbers in the pattern.

29. 6, –12, 24, –48, …

Answer:

30. 9, –27, 81, –243, …

Answer:

31. An elevator is 180 feet above the first floor. Each second it descends 12 feet.

a. What integer is the change in the height of the elevator each second?

Answer:

b. Copy and complete the table.

Time	3 sec	6 sec	9 sec
Height			

c. Estimate how many seconds it takes the elevator to get to the first floor. Explain your reasoning.

Answer:

d. From the first floor, it takes 4 seconds to reach the basement floor. What is the height of the basement floor with respect to the first floor?

Answer: